INTEGRATED SUMMARY TABL	E FOR VARIOUS SCENARIOS BASED ON 2001 DR	Y YEAR HYDROL	LOGY								6/4/2009
		Scenario Name									
		Test Scenario #1		Test Scenario #3		Test Scenario #4		Scenario #5		Scenario #6	
		Base Case		Run-of-River @ 1984		Forebay Elevation at or below 1984 feet		Forebay Fluctuation Between 1984 and 1994 - No Other Operational Constraints		Run-of-River @ 1994	
		(Ver. 05/	(06/2009)	(Ver. 02/5/2009)		(Ver. 05/13/2009)		(Ver. 05/06/2009)		(Ver. 03/18/2009)	
						Scenario Description					
Resource Parameters / Indices	Description of Parameter	Maximum and minimum forebay pool elevation of 1,994 feet NAVD88 ¹ and 1,974 feet with summer pool restriction, respectively ² .		Maintain forebay pool elevation at 1,984 feet.		Maximum and minimum forebay pool elevation of 1,984 and 1,974 feet, respectively. If inflows are less than 10k cfs, maximum forebay pool of 1,980 feet.		Maximum and minimum forebay pool elevation of 1,994 feet and 1,984 feet.		Maintain forebay pool elevation at 1,994 feet.	
Operations											
Power Generation	On-Peak ³ (MWh) / Offpeak ⁴ (MWh) hourly energy	1,965,332	403,929	1,320,178	981,670	1,738,969	479,033	1,922,871	467,063	1,405,849	1,045,718
Difference in Power Generation	Difference in On-Peak and Off-Peak (MWh) vs. Base Case: MWh Gain in "blue" and MWh Loss in "red" and " () "			(645,154)	577,741	(226,363)	75,104	(42,461)	63,134	(559,483)	641,789
2007 Energy Revenue	On-Peak ³ (\$) / Offpeak ⁴ (\$) hourly revenue using actual 2007 prices	\$113,474,087	\$19,709,384	\$70,811,930	\$41,448,525	\$97,612,086	\$22,385,119	\$109,425,118	\$22,198,892	\$75,399,315	\$44,151,045
Difference in 2007 Energy Revenue	Difference in On-Peak and Off-Peak Revenue (\$) vs. Base Case: Revenue Gain in "blue" and Revenue Loss in "red" and " () "			(\$42,662,157)	\$21,739,141	(\$15,862,001)	\$2,675,735	(\$4,048,969)	\$2,489,508	(\$38,074,772)	\$24,441,661
Wildlife		I		1		1					
Goose Nest - Land-bridging Metaline Island	Total number of days without land-bridging during critical goose nesting period (critical nest period March 15 - May 15, inclusive) ⁵	37		16		13		53		62	
Goose Nest - Flooding Metaline Island	Number of days from start of critical goose nesting period without water surface reaching lowest nest elevation surveyed in 2007 (critical nest period March 15 - May 15, inclusive) ⁵	62		62		62		62		62	
Recreation											
Boat Ramp Access Boundary Forebay / Metaline Park Fish and Aquatics	Number of hours boat ramp is accessible (greater than 3 feet submerged) during daylight hours (May 25 through September 4) 6	1,331	1,370	0	569	0	477	1,356	1,401	1,442	1,442
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Potential Thermal Refugia Area Four Tributary Deltas	Average refugia area (10,000 ft²) and average daily minimum refugia area (10,000 ft²) summed for Flume, Sullivan, Linton, and Sweet creeks from June 30 through September 20	6.7	3.7	2.2	2.2	1.0	0.7	6.7	3.7	8.9	8.9
Tributary Access - Thermal Period Three Tributary Deltas	Percent of time (%) foreset at Sullivan, Sweet, and Sand Creek is exposed and percent of time (%) foreset exposed when tributary flow is expected during the thermal period (June 30 - Sept. 20)	3.6	1.8	28	1.4	78	69	0.9	0	0	0
Tributary Access -Bull Trout Potential Migration Period Three Tributary Deltas	Percent of time (%) foreset at Sullivan, Sweet, and Sand Creek is exposed and percent of time (%) foreset exposed when tributary flow is expected during the Bull Trout potential migration period (Sept. 30 - Nov. 30)	1.1	0	5.3	0	16	9.5	0	0	0	0
Stranding Index for SMB Fry Upper Reservoir Reach	Mean daily weighted channel width (ft) and average daily fluctuation (ft) from July 1 through October 31	403	320	9.7	15	120	62	385	252	<1	0.1
Stranding index for MWF Fry Upper Reservoir Reach	Mean daily weighted channel width (ft) and average daily fluctuation (ft) from Feb 16 through Aug 15	146	94	5.2	7.8	30	19	147	78	<1	0.1
Trapping index for SMB Fry Upper Reservoir Reach	Total area (10,000 ft ²) from July 1 through October 31	3,293		337		2,230		2,598		7.4	
Trapping index for MWF Fry Upper Reservoir Reach	Total area (10,000 ft²) from February 16 through August 15	2,336		319		1,262		1,855		17	
Effective Spawning for SMB Upper Reservoir Reach	Transect-weighted, reach-averaged ESI width (ft) and ESI/PSI ratio ⁷ from May 15 through July 31	24	0.47	33	0.83	23	0.66	26	0.51	53	0.99
Effective Spawning for MWF Upper Reservoir Reach	Transect-weighted, reach-averaged ESI width (ft) and ESI/PSI ratio ⁷ from October 15 through January 15	259	0.53	421	0.93	350	0.80	321	0.64	547	0.99
WUA for Adult CTT - Upper Reservoir Reach - Summer Curve	Average daily minimum channel width (It²/It) and average daily fluctuation (It²/It) for Spring (April 1 through June 29) and Fall (September 21 through October 31) periods ⁸	395	150	390	2.5	338	38	427	139	564	5.4
WUA for Adult CTT - Upper Reservoir Reach - Winter Curve	Average daily minimum channel width (tt^2/tt) and average daily fluctuation (tt^2/tt) for winter (November 1 to March 31) period	154	169	147	3.9	117	19	170	183	311	13
WUA for Adult BT - Upper Reservoir Reach - Summer Curve	Average daily minimum channel width (${\rm ft}^2/{\rm ft}$) and average daily fluctuation (${\rm ft}^2/{\rm ft}$) for Spring (April 1 through June 29) and Fall (September 21 through October 31) periods ⁸	394	115	386	1.8	348	28	417	106	527	2.1
WUA for Adult BT - Upper Reservoir Reach - Winter Curve	Average daily minimum channel width (${\rm ft}^2/{\rm ft}$) and average daily fluctuation (${\rm ft}^2/{\rm ft}$) for winter (November 1 to March 31) period	203	132	193	5.1	149	23	229	132	361	7.1
WUA for Periphyton Upper Reservoir Reach	Average channel width (ft²/ft) and average daily fluctuation (ft²/ft) for September	324	44	326	4.0	257	19	359	29	401	0.9
WUA for BMI Canyon Reach	Average channel width (ft²/ft) and average daily fluctuation (ft²/ft) for September	89	33	108	0.6	104	17	97	33	118	0.6
WUA for BMI Upper Reservoir Reach	Average channel width (ft²/ft) and average daily fluctuation (ft²/ft) for September	452	56	458	4.4	382	14	518	64	629	4.2
Notes: 1 - All elevations are in feet NAVD88. (NAVD88 = NGVI	220 : 4 (east)										•

- Notes:

 1. All elevations are in feet NAVD88. (NAVD88 = NGVD29 + 4 feet)

 2. Summer pool restriction: maintains forebay water surface elevation above 1,982 feet NAVD88 from the Friday before Memorial Day weekend to the Tuesday after Labor Day.

 3. On-peak hours from hour ending (HE) 0700 through 2200 Pacific Time, Monday through Saturday; (16 hours per day), six days per week excluding holidays.

 4. Off-peak hours from HE 2300 through 0600 Pacific Time, Monday through Saturday; all 24 hours on Sunday and holidays.

 5. Total number of days during critical goose nesting period is 62.

 6. Total number of possible daylight hours is 1,442.

 7. Effective Spawning Index (ESI) is the width representing the portion of PSI width that remains inundated for the duration of the incubation period. Potential Spawning Index (PSI) is the width representing the portion of the transect with suitable depth and substrate for the spawning adults.

 8. Periods exclude values when average daily mainstem temperatures exceed 18°C.